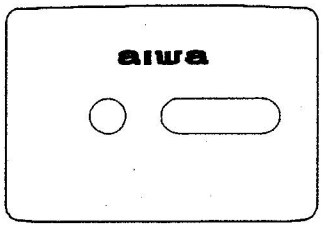
aiwa

aiwa SERVICE

HS-PX557
HS-LX200M2
HS-EX200M2

SERVICE MANUAL



STEREO CASSETTE PLAYER

• BASIC TAPE MECHANISM: 5ZM-1 P1N

• TYPE: AK,AH,AE(PX557)
AE(LX200/EX200)

S/M Code No. 09-95A-115-20I

SPECIFICATIONS

Maximum output: 15 mW+15 mW (EIAJ 16 Ω)

Dimensions: 109 (W) × 79.8 (H) × 20.2 (D) mm ($4^{3}/_{8} \times 3\,^{1}/_{4} \times ^{31}/_{32}$ in.)

Power source: DC 3 V using two R03 (size AAA) batteries, household AC power using the supplied AC adaptor, DC 2 V using the supplied rechargeable battery PB-S5A.

Battery life (EIAJ, 1 mW output):
Using the rechargeable battery PB-S5A, approx. 2 hours with 10 minutes recharging; approx. 3 hours with 60 minutes recharging; approx. 4 hours with 2 hours recharging

Weight: 172 g, 6.3 oz (including the rechargeable battery)

【AC adaptor AC-207】

Rated voltage: AC 115 V-230 V switchable on AC-207H, AC 230 V on AC-207E

Rated output: DC 2 V 350 mA

- Design and specifications are subject to change without notice.
- Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.
- "DOLBY" and the double-D symbol □□ are trademarks of Dolby Laboratories Licensing Corporation.

○チップ抵抗部品コード／CHIP RESISTOR PART CODE

チップ抵抗部品コードの成り立ち
Chip resistor part coding

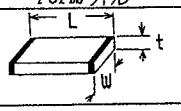
8 8 − □□□ − □□□

A
抵抗コード
Resistor code

桁表示
Figure

抵抗値
Value of resistor

チップ抵抗
Chip resistor

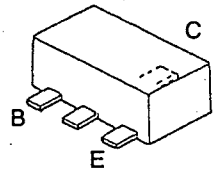
Wattage 容量	Type 種類	Tolerance 許容誤差	Symbol 記号	Dimensions／寸法(mm) Form/外形	L	W	t	Resistor Code : A 抵抗コード : A
1/32W	1608	±5%	CJ		1.6	0.8	0.35	108
1/10W	2125	±5%	CJ		2	1.25	1.45	118
1/8W	3216	±5%	CJ		3.2	1.6	0.5 ~0.7	128

ELECTRICAL MAIN PARTS LIST

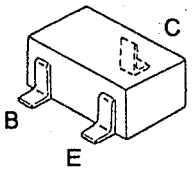
DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO	PART NO.	カンリ NO.	DESCRIPTION
IC			
	87-002-423-089		IC,TA2002 FN (ER)
	87-001-875-089		IC,BA1106 FS
	87-017-775-080		IC,TB2003-008FN
	87-017-826-080		IC,MM1085AFFE
	87-002-406-080		IC,TPIC326ADB
TRANSISTOR			
	87-026-605-080		C-TR,IMH10
	87-026-604-089		C-TR,IMH9
	87-026-585-089		C-TR,IMX1HQQ
	87-026-349-089		C-TR,DTC143TU
	87-026-603-080		C-TR,IMB10
	89-113-625-089		C-TR,2SA1362GR(TAPG)
	87-026-461-080		C-TR,IMH3
	87-026-423-089		C-TR,RN2305
	89-333-266-089		C-TR,2SC3326B
	87-026-346-089		C-TR,DTC114YU
	89-112-134-089		C-TR,2SA1213Y
	87-026-470-089		TR,HN1C03 F B
	89-342-132-089		C-TR,2SC4213 B
	89-341-164-089		C-TR,2SC4116Y
DIODE			
	87-017-779-080		C-DIODE,1SS355
	87-001-167-089		C-DIODE,1SS302
MAIN C.B			
C101	87-010-176-089		C-CAP,S 680P-50 SL
C102	87-010-176-089		C-CAP,S 680P-50 SL
C103	87-010-176-089		C-CAP,S 680P-50 SL
C104	87-010-176-089		C-CAP,S 680P-50 SL
C105	87-016-296-089		C-CAP,TN 22-4 SV(A)
C106	87-016-296-089		C-CAP,TN 22-4 SV(A)
C107	87-016-296-089		C-CAP,TN 22-4 SV(A)
C108	87-010-958-089		C-CAP,S 0.01-25 B J
C109	87-010-958-089		C-CAP,S 0.01-25 B J
C110	87-010-198-089		C-CAP,S 0.022-25 B
C111	87-010-198-089		C-CAP,S 0.022-25 B
C112	87-016-462-089		C-CAP,S 1-16 F
C113	87-016-462-089		C-CAP,S 1-16 F
C115	87-010-822-019		CAP,E 220-4 (MJ)
C116	87-010-942-089		C-CAP,E 47-4
C117	87-010-193-089		C-CAP,S 0.033-25 F
C118	87-010-193-089		C-CAP,S 0.033-25 F
C119	87-010-186-089		C-CAP,S 4700P-50 B
C120	87-010-186-089		C-CAP,S 4700P-50 B
C121	87-010-197-089		C-CAP,S 0.01-25 B
C122	87-010-197-089		C-CAP,S 0.01-25 B
C123	87-010-193-089		C-CAP,S 0.033-25 F
C124	87-010-193-089		C-CAP,S 0.033-25 F
C125	87-010-196-089		C-CAP,S 0.1-25 F
C126	87-010-196-089		C-CAP,S 0.1-25 F
C127	87-016-462-089		C-CAP,S 1-16 F
C128	87-016-462-089		C-CAP,S 1-16 F
C129	87-010-196-089		C-CAP,S 0.1-25 F
C130	87-010-196-089		C-CAP,S 0.1-25 F
C131	87-016-462-089		C-CAP,S 1-16 F
C132	87-016-462-089		C-CAP,S 1-16 F
C133	87-016-462-089		C-CAP,S 1-16 F
C134	87-016-462-089		C-CAP,S 1-16 F
C135	87-010-182-089		C-CAP,S 2200P-50 B
C136	87-010-182-089		C-CAP,S 2200P-50 B
C137	87-010-424-089		C-CAP,TN 4.7-4
C138	87-010-424-089		C-CAP,TN 4.7-4
C139	87-010-822-019		CAP,E 220-4 (MJ)
C140	87-016-296-089		C-CAP,TN 22-4 SV(A)
C141	87-016-462-089		C-CAP,S 1-16 F
C142	87-010-196-089		C-CAP,S 0.1-25 F
C143	87-010-196-089		C-CAP,S 0.1-25 F
C144	87-010-822-019		CAP,E 220-4 (MJ)
C145	87-010-822-019		CAP,E 220-4 (MJ)
C146	87-012-141-089		C-CAP,S 0.22-16 F
C201	87-016-462-089		C-CAP,S 1-16 F
C202	87-010-971-089		C-CAP,S 4700P-50 B J
C203	87-015-923-089		C-CAP,TN 0.22-35
C204	87-016-462-089		C-CAP,S 1-16 F
C205	87-016-317-080		C-CAP,TN 2.2-6.3
C301	87-010-196-089		C-CAP,S 0.1-25 F
C302	87-012-358-089		C-CAP,S 0.47-10 FZ
C303	87-010-194-089		C-CAP,S 0.047-25 F
C304	87-010-504-089		C-CAP,TN 0.47-25
C305	87-012-358-089		C-CAP,S 0.47-10 FZ
C306	87-010-194-089		C-CAP,S 0.047-25 F
C307	87-010-190-089		C-CAP,S 0.01-50 F
C308	87-015-923-089		C-CAP,TN 0.22-35
C309	87-010-196-089		C-CAP,S 0.1-25 F
C310	87-015-934-089		C-CAP,TN 2.2-4
C501	87-016-462-089		C-CAP,S 1-16 F
C502	87-016-462-089		C-CAP,S 1-16 F
C505	87-010-746-089		C-CAP,TN 10-4
D202	87-070-341-080		C-LED,LT1E97A GRN
D203	87-070-339-080		C-LED,LT1S97A ORN
D204	87-070-340-080		C-LED,LT1D97A RED
J101	87-099-846-019		JACK,3.5 ST BLK
J201	85-HK4-620-019		TERM ASSY PB-S5(5.6)
J202	87-099-847-019		JACK,DC 3.75-5.6L
PS201	87-026-504-010		P-SNSR,5164K-F1-Q2
R101	87-022-283-089		C-RES,U 820-1/16W F
R102	87-022-283-089		C-RES,U 820-1/16W F
R103	87-022-217-089		C-RES,U 1.2K-1/16W F
R104	87-022-217-089		C-RES,U 1.2K-1/16W F
R107	87-022-292-089		C-RES,U 330K-1/16W F
R108	87-022-292-089		C-RES,U 330K-1/16W F
R109	87-022-243-089		C-RES,U 15K-1/16W F
R110	87-022-243-089		C-RES,U 15K-1/16W F
R208	87-022-293-089		C-RES,U 390K-1/16W F
R209	87-022-287-089		C-RES,U 120K-1/16W F
R311	87-022-037-089		C-RES,M M/F0.68
S101	87-036-373-089		C-SW,SLIDE 1-1-2(E)
S201	87-036-145-089		C-SW,SLIDE 1-1-3
S206	85-HK4-614-010		SW,LEAF 5ZM-1 P(5.6)
S208	87-036-237-089		C-SW,PUSH
S209	87-036-383-089		C-SW,SLIDE 1-1-2(NC) E
S501	87-036-145-089		C-SW,SLIDE 1-1-3
SFR301	87-024-657-080		C-SFR,6.8K EVM 3SS
VR101	87-024-686-089		C-VR,20KAX2 DIA14
SW C.B			
S202	87-036-308-089		C-SW,TACT(112HST)
S203	87-036-308-089		C-SW,TACT(112HST)
S204	87-036-308-089		C-SW,TACT(112HST)
S205	87-036-308-089		C-SW,TACT(112HST)
REGULATOR C.B			
C401	84-439-620-019		CAP,E 470-4
HEAD FLEX.C.B			
PH	82-HJ4-601-119		HEAD ASSY

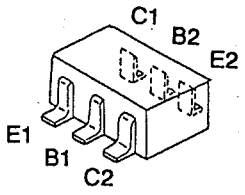
TRANSISTOR ILLUSTRATION



2SA1213



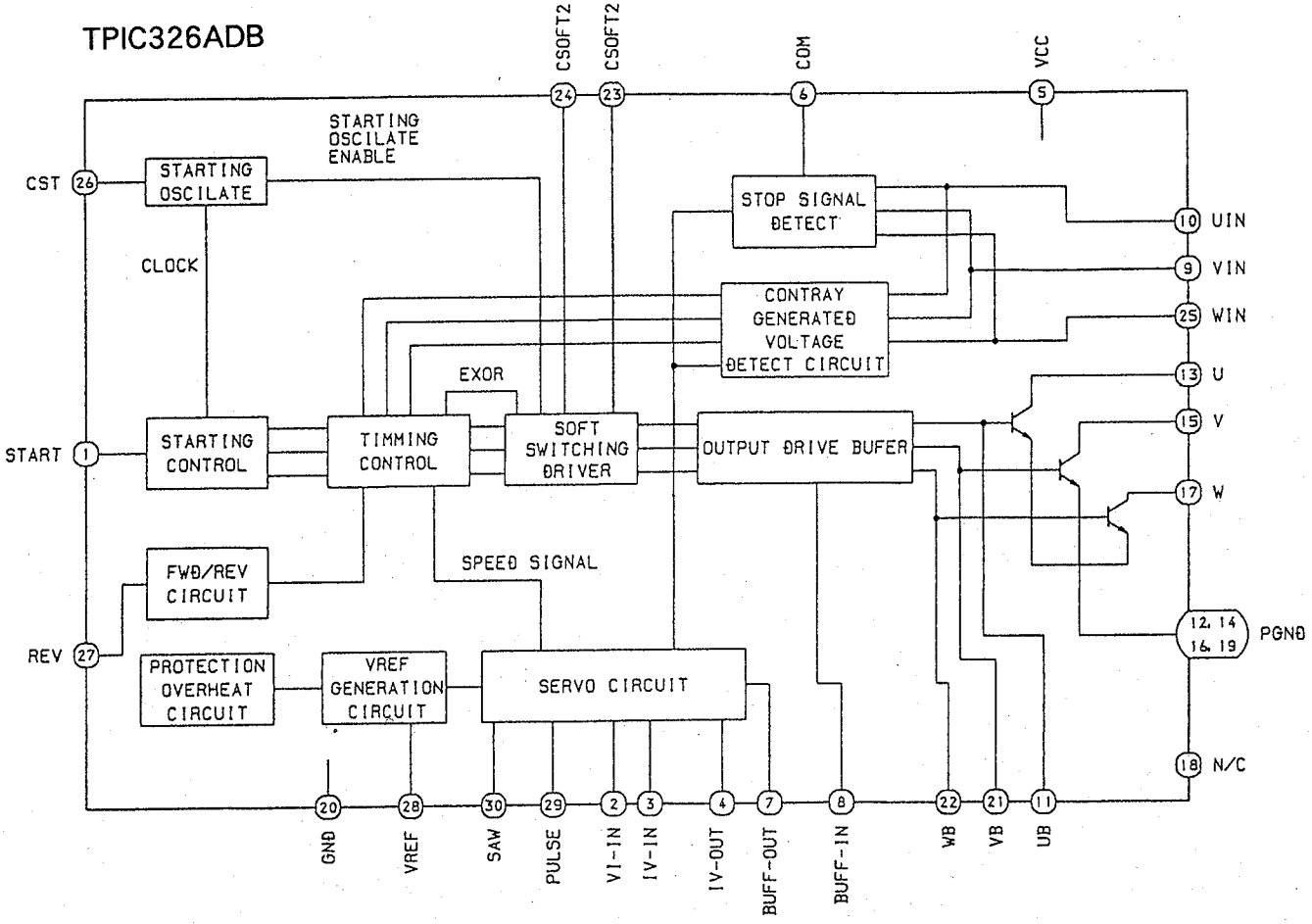
2SA1362 DTC114YU
2SC3326 DTC143TU
2SC4116 RN2305
2SC4213



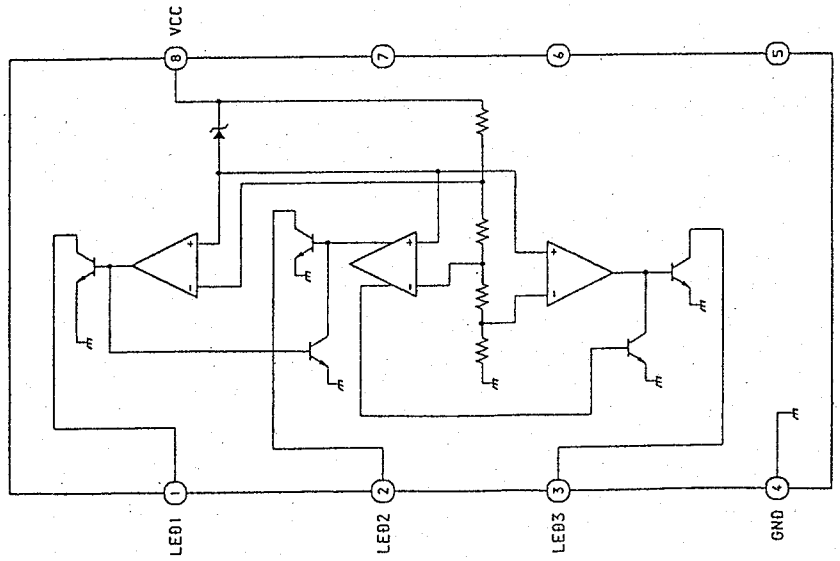
HN1C03F IMH9
IMB10 IMH10
IMH3 IMX1

IC BLOCK DIAGRAM

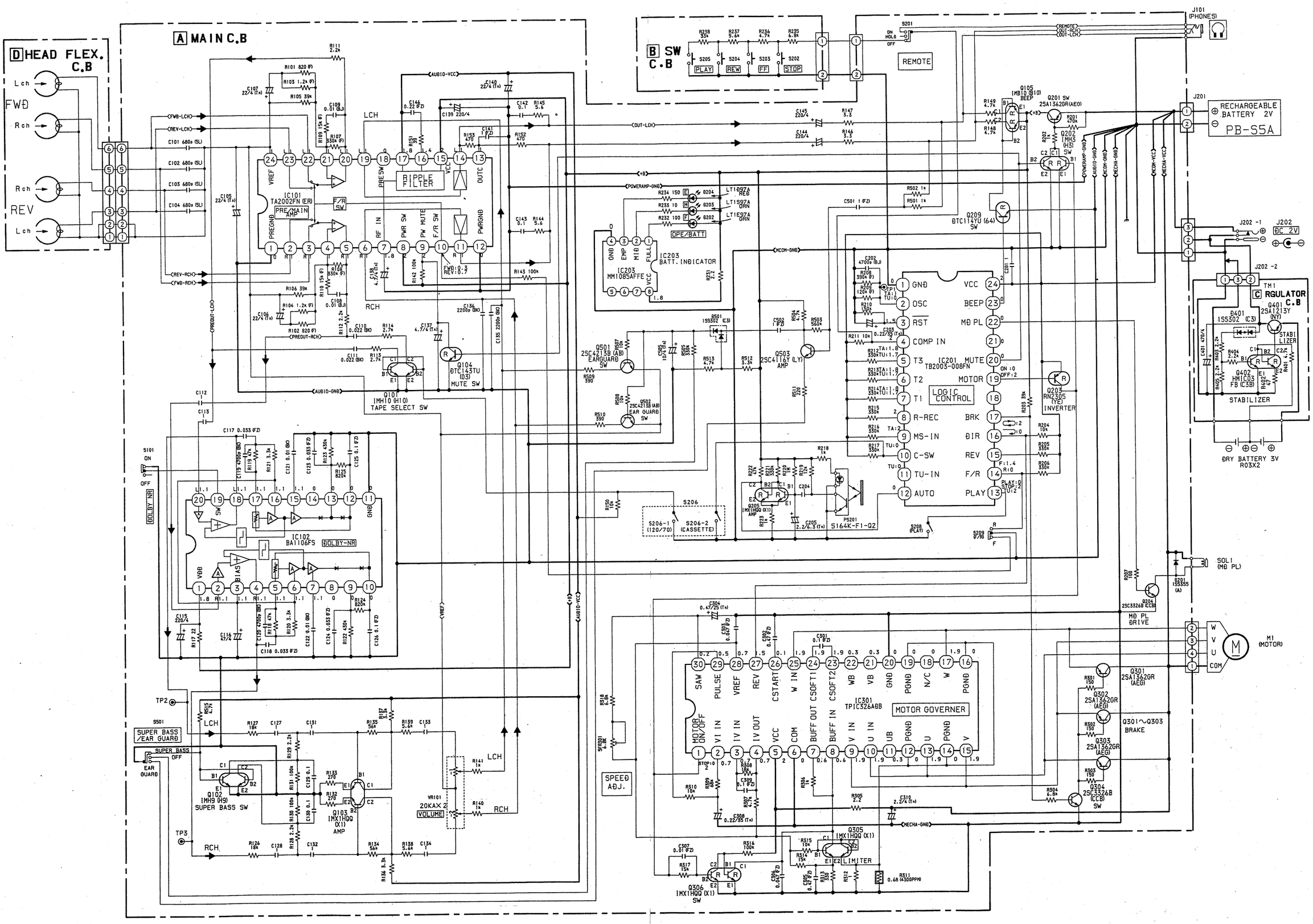
TPIC326ADB

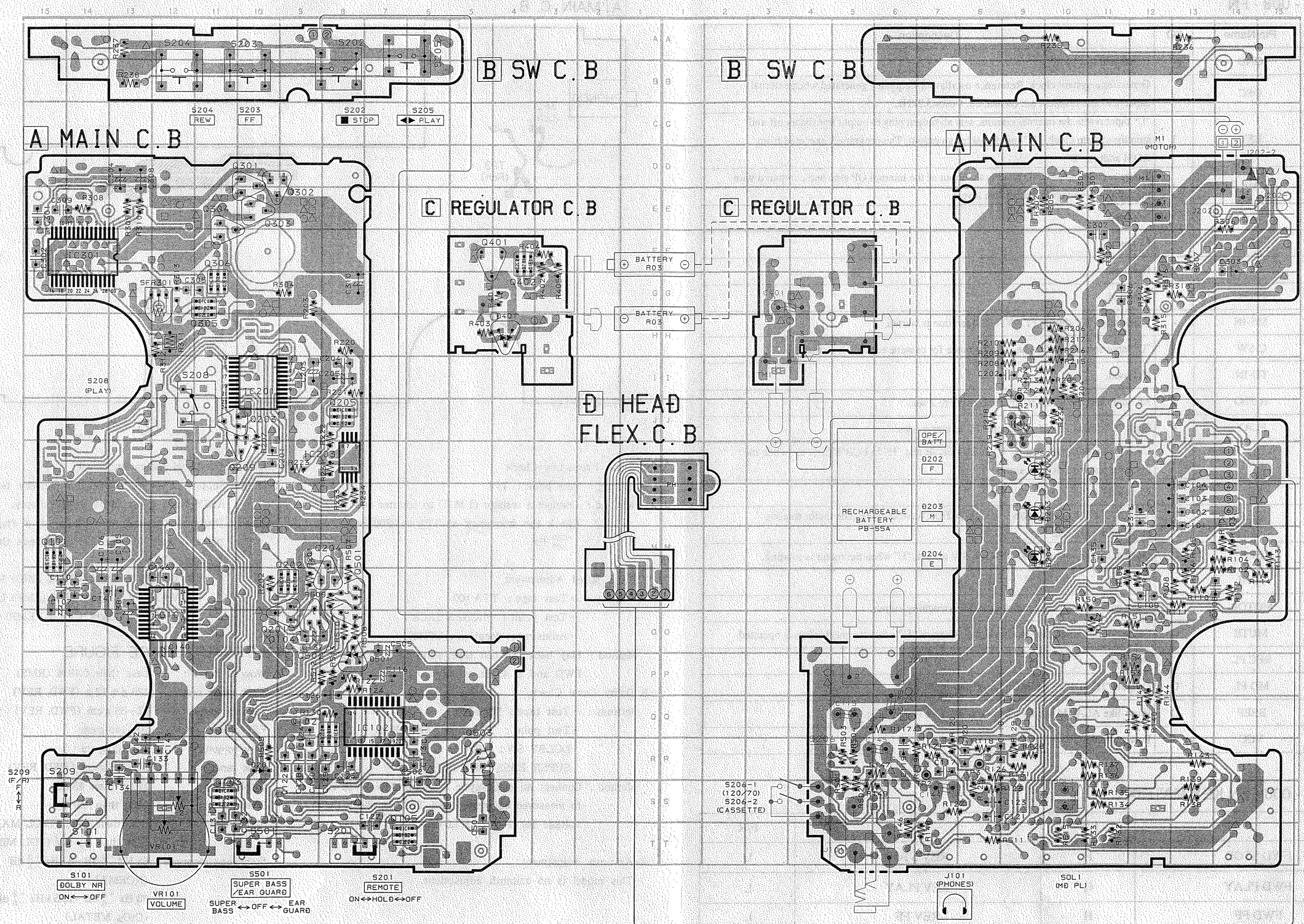


HM1085XF



SCHEMATIC DIAGRAM




B SW C.B
S204 REW
S203 FF
S202 ■ STOP
S205 ◀▶ PLAY
A MAIN C.B
C REGULATOR C.B
BATTERY R03
BATTERY R03
Đ HEAD FLEX.C.B
B SW C.B
A MAIN C.B
M1 (MOTOR)
J202 DC2V
C REGULATOR C.B
OPE/BATT
RECHARGEABLE BATTERY PB-55A
S208 (PLAY)
S209 (F/R)
S206-1 (120,70)
S206-2 (CASSETTE)
S101 DOLBY NR ON↔OFF
VR101 VOLUME
S501 SUPER BASS /EAR GUARD SUPER BASS ↔ OFF ↔ EAR GUARD
S201 REMOTE ON↔HOLD↔OFF
J101 (PHONES)
SOL1 (MD PL)

IC DESCRIPTION

IC,TB2003 - 008 - FN

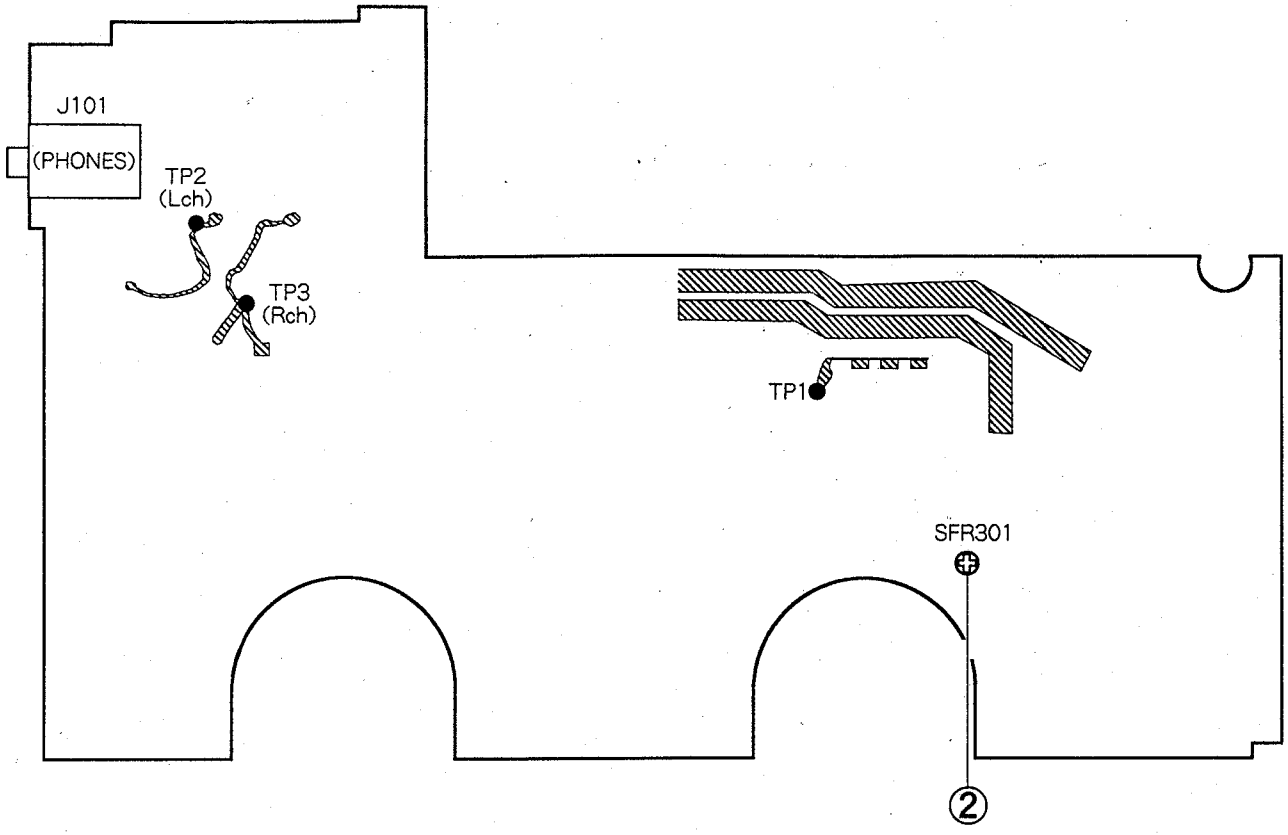
Pin No.	Pin Name	I/O	Description
1	GND	-	Connected to ground.
2	OSC	-	Generates a system clock. Reference oscillation frequency generated when external capacitors and resistors are connected, f-osc=3.2kHz.
3	RST	I	"L" input resets the internal circuits, sets all output pins to output transistors off and stop the system clock. "H" input enables an output. The program is executed from ROM address "0".
4	COMP IN	I	2-wire remote input. Connected to the input of the internal OP amp and compared with the reference voltage to detect five levels.
5	T3	-	Not used.
6	T2	-	Not used.
7	T1	-	Not used.
8	R-REC	-	Not used.
9	MS-IN	-	When set to "L" during PLAY, MS operation is started.
10	C-SW	I	"L" input sets the unit to the standby mode for cassette execution instruction.
11	TU-IN	-	Not used.
12	AUTO	I	AC input sets the timer programmed time to 2 sec.
13	PLAY	I	Goes "L" during PLAY, REC and "H" in oter modes.
14	F/R	I	Used the mask switch that is "L" in REVERSE and "H" in FORWARD to switch the input/output and F/R indicators.
15	REV	I	Not used.
16	DIR	O	The "H" level does not allow to record in FORWARD mode. The motor rotating direction is reversed.
17	BRK	O	Open collector output/BRK ON-OFF SW output. "L" when the motor is rotating.
18	M-HI	-	Not used.
19	MOTOR	O	Open collector outputs - motor ON-OFF switching output.
20	MUTE	O	Emitter-follower output -muting signal. Outputs "H" when the mechanism is operated.
21	REC PL	-	Not used.
22	MD PL	O	Outputs "H" to drive the MD plunger during PLAY.
23	BEEP	O	Pluse-like ALARM output when each function is operating.
24	VCC	-	Power supply, 2V DC.

IC,TB2003 - 008 - FN KEY MATRIX

	F/R		F/R
FWD STOP	H	REV STOP	L
FWD PLAY	H	REV PLAY	L
FWD FF	H	REV FF	L
FWD REW	H	REV REW	L

ADJUSTMENT

A MAIN C. B



1. Clock Frequency Check
   Setting : Test point : TP1
   Method : Connect a resistor (1 MΩ) to counter and TP1. Check the frequency at TP1 is 3200 Hz $^{+260}_{-400}$ Hz.

2. Tape Speed Adjustment
   Settings : • Test tape : TTA-100
   • Test point : PHONES JACK
   • Adjustment location : SFR301
   Method : Play back the test tape, adjust for 3000 Hz at FWD and ± 45 Hz at REV.

3. Dolby Level Check
   Settings : • Test tape : TTA-200
   • Test point : TP2 (Lch), TP3 (Rch)
   • DOLBY SW : OFF
   • SUPER BASS SW : OFF
   Method : Connect an electrolytic capacitor (10 μF/16 V) to measured equipment and TP2 (3), check the voltage for 100 mV ± 1.0 dB.

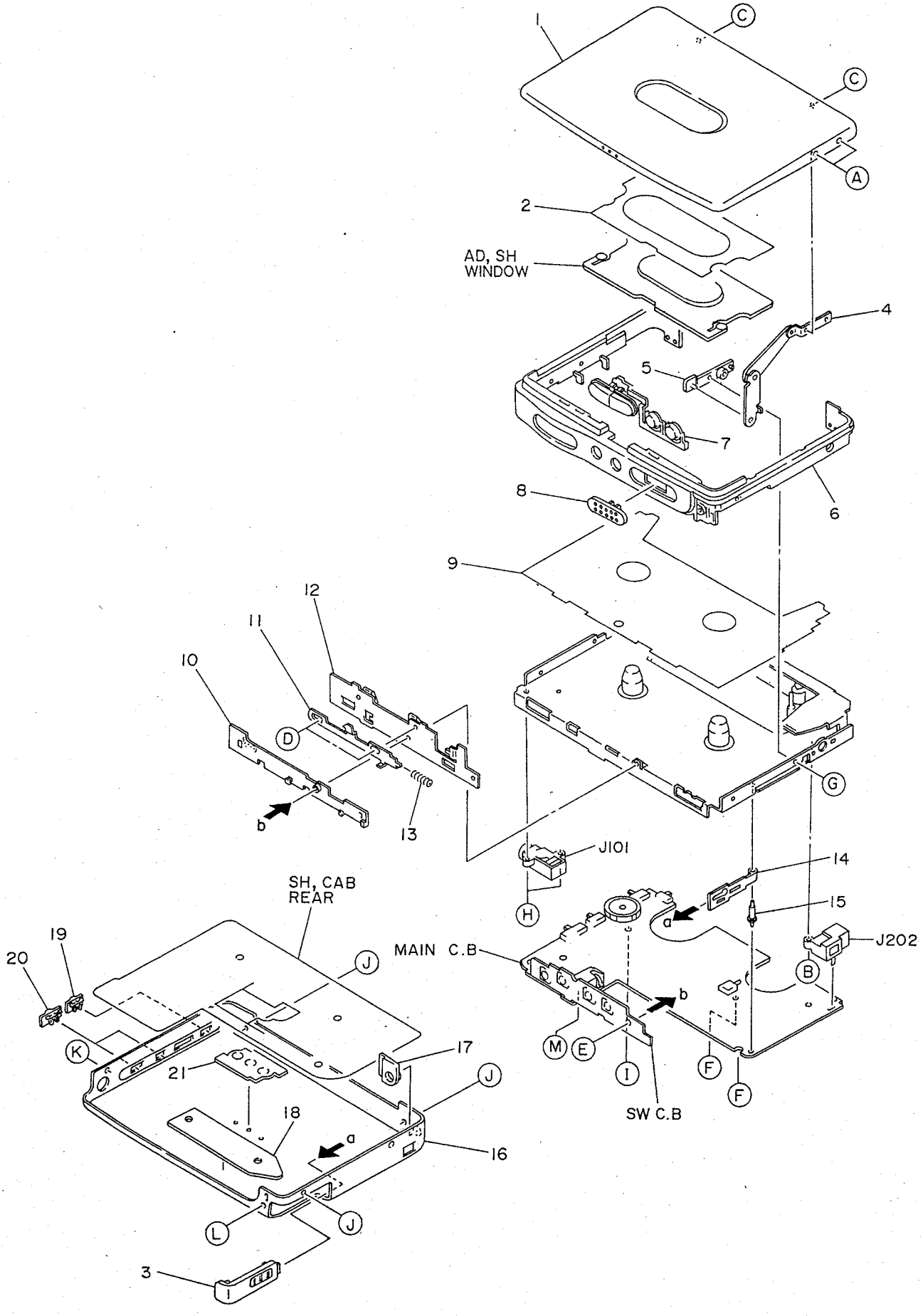
4. Azimuth Adjustment
   This model is no azimuth adjustment.

5. BATT Light Level Indication Check
   Setting : Supply power to a charging battery terminal ASSY from a regulated power supply.
   Method : Decrease the output voltage of a regulated power supply for less 2 V and check that it's voltage of below light.
   1.95 V~1.85 V Light ON M (MID) LED
   1.85 V~1.79 V Light ON E (EMP) LED
   1.80 V~1.73 V Light OFF E (EMP) LED

PRACTICAL SERVICE FIGURE

Wow & flutter :	Less than 0.49 % (RMS)
Pinch roller press :	120 g ± 12 g (FWD, REV)
Take-up torque :	22~35 g-cm (FWD, REV)
F.F. torque :	70~140 g-cm
Rew torque :	60~100 g-cm
Back tension :	2.0~3.5 g-cm (FWD, REV)
S/N ratio :	More than 45 dB
Distortion :	Less than 3.0 %
Noise level :	Less than 3.0 mV (VOL MAX, DC)
	Less than 0.3 mV (VOL MIN, DC)
Frequency response :	63 Hz $^{+2}_{-6}$ dB~8 kHz $^{+3}_{-5}$ dB (NORMAL)
	63 Hz $^{+2}_{-6}$ dB~12.5 kHz $^{+2}_{-6}$ dB (CrO_2, METAL)

MECHANICAL EXPLODED VIEW 1/1

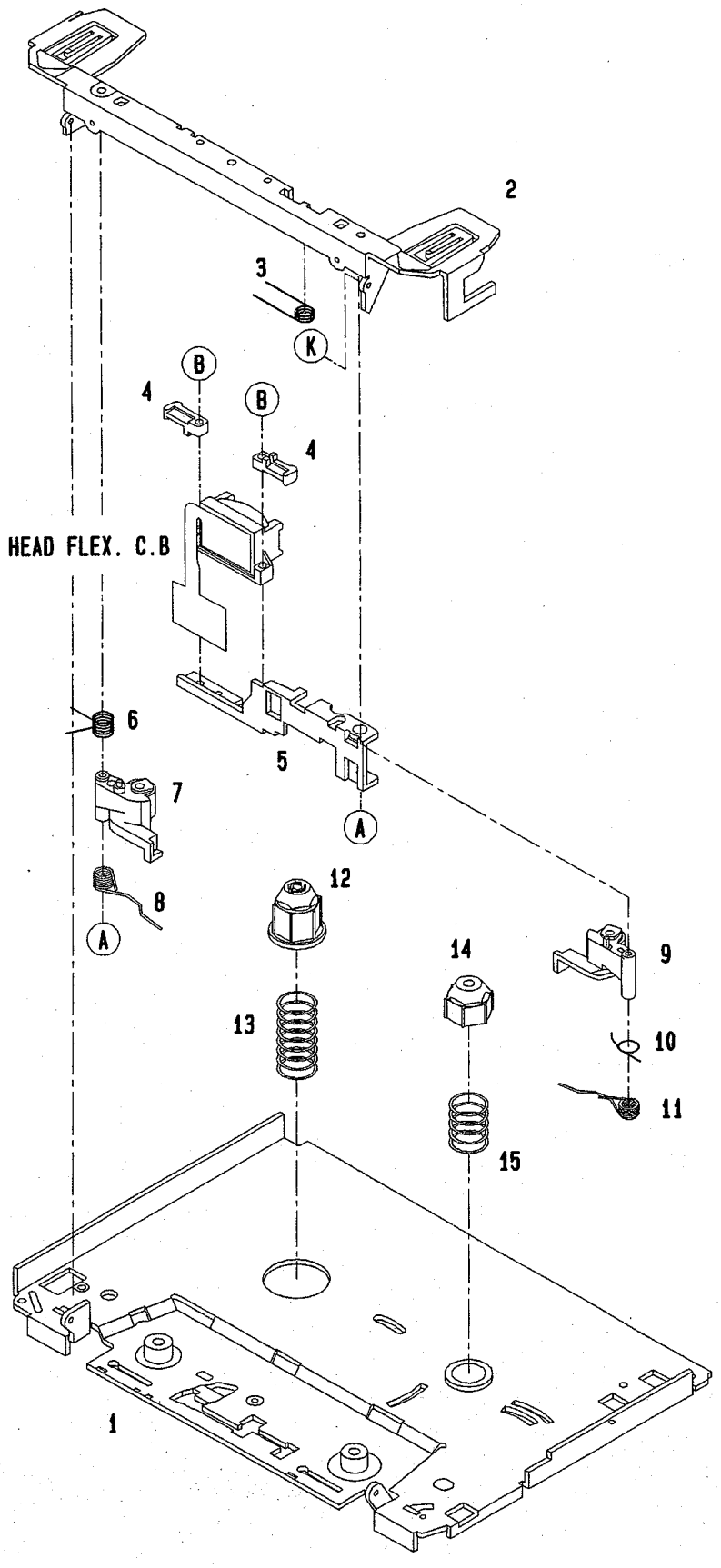


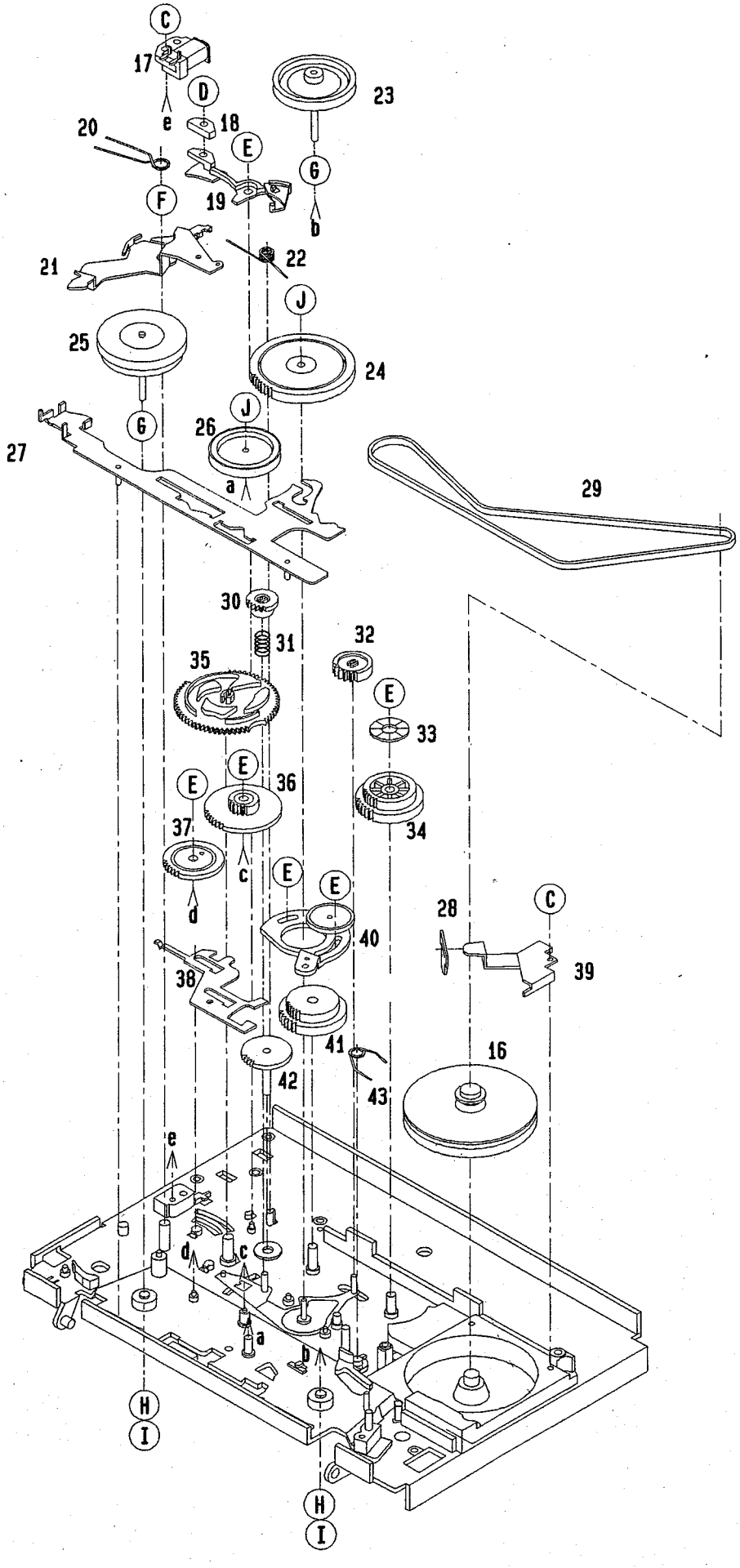
MECHANICAL PARTS LIST 1／1

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO	PART NO.	カンリ NO.	DESCRIPTION
1	85-HK4-061-010		LID,CASS ASSY<[B]EX200M2AE>
1	85-HK4-059-010		LID,CASS ASSY<[G]LX200M2AE>
1	85-HK4-063-010		LID,CASS ASSY<[L]EX200M2AE>
1	85-HK4-057-010		LID,CASS ASSY<[R]LX200M2AE>
1	85-HK4-025-010		LID,CASS Y ASSY<[ST]557AK
			[ST]557AH,[ST]557AE>
2	85-HK4-010-010		WINDOW,CASS A
3	85-HK4-072-010		LID,BAT<[B]EX200M2AE>
3	85-HK4-071-010		LID,BAT<[G]LX200M2AE>
3	85-HK4-073-010		LID,BAT<[L]EX200M2AE>
3	85-HK4-070-010		LID,BAT<[R]LX200M2AE>
3	85-HK4-088-010		LID,BAT<[ST]557AK,[ST]557AH
			[ST]557AE>
4	85-HK4-201-010		ARM,HINGE ASSY
5	84-HK3-205-310		NUT,B-BOX
6	85-HK4-069-010		FRAME LX-EX<EXCEPT [ST]557AK
			[ST]557AH,[ST]557AE>
6	85-HK4-029-010		FRAME Y<[ST]557AK,[ST]557AH
			[ST]557AE>
7	85-HK4-015-010		KEY,CONT
8	85-HK4-011-010		KNOB,SL OPEN<[ST]557AK,[ST]557AH
			[ST]557AE>
8	85-HK4-074-010		KNOB,SL OPEN LX-EX<EXCEPT
			[ST]557AK,[ST]557AH,[ST]557AE>
9	85-HK4-084-010		PANEL,CASS<[B]EX200M2AE
			[L]EX200M2AE>
9	85-HK4-083-010		PANEL,CASS<[R]LX200M2AE
			[G]LX200M2AE>
9	85-HK4-028-010		PANEL,CASS<[ST]557AK,[ST]557AH
			[ST]557AE>
10	85-HK4-203-010		HLDR,V-CB
11	85-HK4-204-010		PLATE,LOCK
12	85-HK4-206-010		BASE,LOCK ASSY
13	82-HK3-206-110		C-SP,LOCK
14	85-HK4-210-010		HINGE,BAT
15	85-HK4-211-010		SHAFT,HINGE
16	85-HK4-067-010		CAB,REAR<[B]EX200M2AE>
16	85-HK4-066-010		CAB,REAR<[G]LX200M2AE>
16	85-HK4-068-010		CAB,REAR<[L]EX200M2AE>
16	85-HK4-065-010		CAB,REAR<[R]LX200M2AE>
16	85-HK4-027-010		CAB,REAR<[ST]557AK,[ST]557AH
			[ST]557AE>
17	85-HK4-209-010		SPACER,DC
18	85-HK4-216-010		SPACER,PB 5
19	85-HK4-014-010		KNOB,SL<[B]EX200M2AE>
19	85-HK4-080-010		KNOB,SL<[G]LX200M2AE>
19	85-HK4-082-010		KNOB,SL<[L]EX200M2AE>
19	85-HK4-079-010		KNOB,SL<[R]LX200M2AE>
19	85-HK4-043-010		KNOB,SL<[ST]557AK,[ST]557AH
			[ST]557AE>
20	85-HK4-012-010		KNOB,SL L-R<[B]EX200M2AE>
20	85-HK4-076-010		KNOB,SL L-R<[G]LX200M2AE>
20	85-HK4-078-010		KNOB,SL L-R<[L]EX200M2AE>
20	85-HK4-075-010		KNOB,SL L-R<[R]LX200M2AE>
20	85-HK4-045-010		KNOB,SL L-R<[ST]557AK,[ST]557AH
			[ST]557AE>
21	85-HK4-006-010		LENS,LED
A	87-067-753-019		V+1.4-1.6 BLK N<EXCEPT [ST]557AK
			[ST]557AH,[ST]557AE>
A	87-067-754-019		V+1.4-1.6CRN<[ST]557AK,[ST]557AH
			[ST]557AE>
B	87-262-509-319		V+1.4-4 BLK
C	87-078-207-010		C-SCRW,1.4-0.6 CR NL<[ST]557AK
			[ST]557AH,[ST]557AE>
C	87-078-107-010		S-SCREW 1.4-0.7 BNL<[G]LX200M2AE
			[B]EX200M2AE,[L]EX200M2AE>
C	87-078-108-010		S-SCREW1.4-0.7CRNL<[R]LX200M2AE>
D	87-067-288-019		S-SCREW,+1.4-1
E	85-HK4-220-019		S-SCRW,1.4-2.7 BLK N
F	87-078-113-019		S-SCREW+1.4-3.5HL(B)
G	87-067-736-019		1.4-2 BLK NLOCK
H	87-067-360-019		S-SCRW,+1.4-3.5(BLK)
I	87-067-746-019		SCREW-SERR M1.4-2
J	87-078-139-019		SCRW-SERR,M1.4-2.5B<EXCEPT
			[ST]557AK,[ST]557AH,[ST]557AE>
J	87-078-153-010		SCRW-SERR,M1.4-2.5CR<[ST]557AK
			[ST]557AH,[ST]557AE>
K	87-078-184-019		SCRW-SR,1.4-1.8B L<EXCEPT
			[ST]557AK,[ST]557AH,[ST]557AE>
K	87-078-186-010		SCRW-SR,1.4-1.8CR L<[ST]557AK
			[ST]557AH,[ST]557AE>
L	87-078-185-019		SCRW-SR,1.4-4.5B L<EXCEPT
			[ST]557AK,[ST]557AH,[ST]557AE>
L	87-078-187-010		SCRW-SR,1.4-4.5CR L<[ST]557AK
			[ST]557AH,[ST]557AE>
M	87-067-385-019		SCREW VT 1.4X2.5 HL

TAPE MECHANISM EXPLODED VIEW 1/1




C
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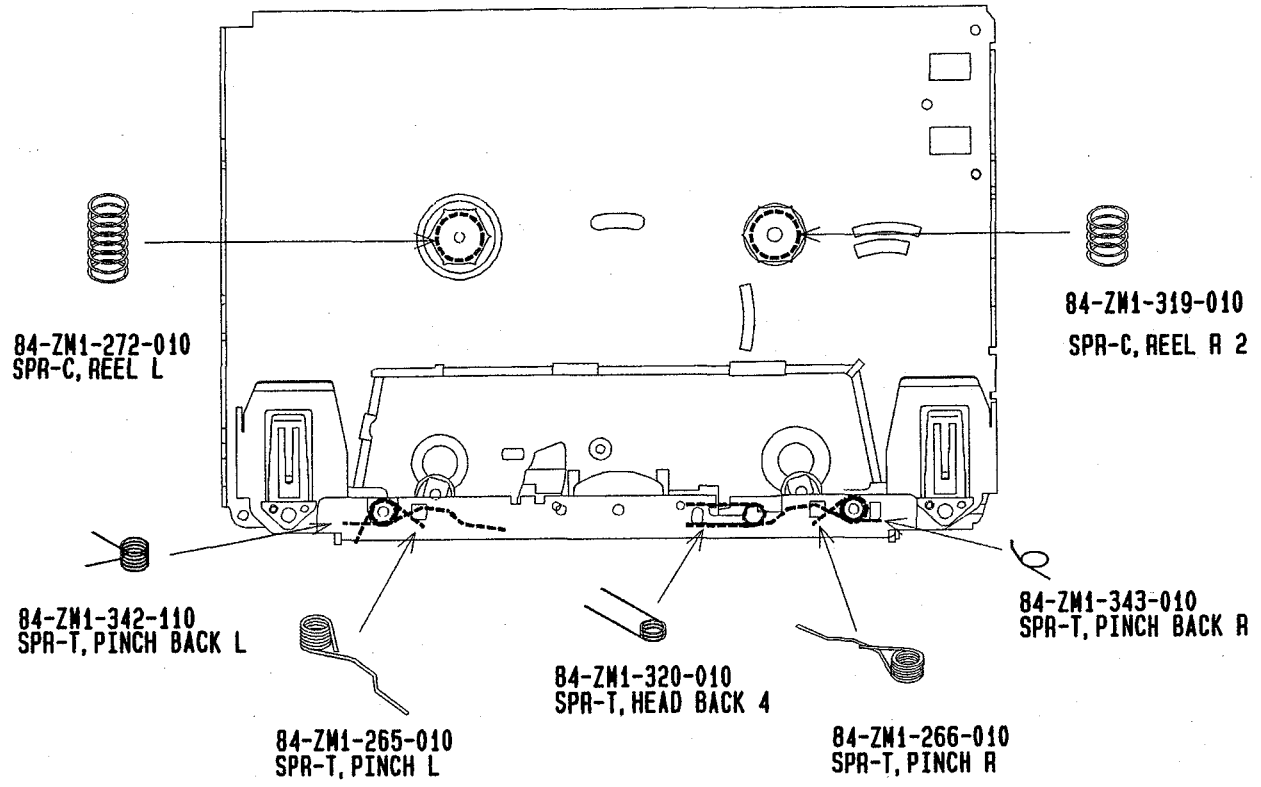
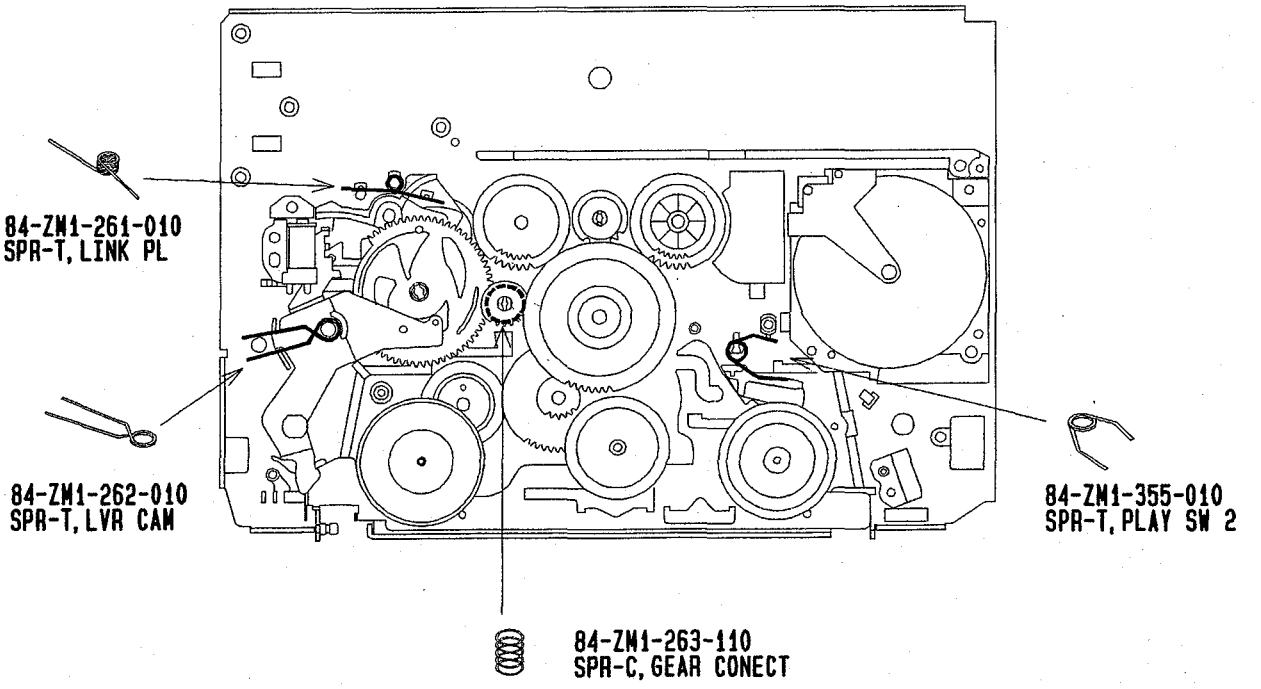
TAPE MECHANISM PARTS LIST 1／1

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO	PART NO.	カンリ NO.	DESCRIPTION
1	09-028-215-010		MECH-S ASSY
	85-ZM1-310-010		MOT,ASSY 4P
2	84-ZM1-212-61K		HLDER CASSET ASSY P
3	84-ZM1-320-010		SPR-T,HEAD BACK 4
4	84-ZM1-259-010		ARM,STOP
5	84-ZM1-216-01K		ARM HEAD
6	84-ZM1-342-110		SPR-T PINCH BACK L
7	84-ZM1-258-210		ARM ASSY PINCH L2
8	84-ZM1-265-010		SPR-T,PINCH L
9	84-ZM1-256-210		ARM ASSY PINCH R2
10	84-ZM1-343-010		SPR-T PINCH BACK R
11	84-ZM1-266-010		SPR-T,PINCH R
12	84-ZM1-227-11K		GEAR REEL L
13	84-ZM1-272-010		SPR-C,REEL L
14	84-ZM1-220-11K		REEL CAP,R
15	84-ZM1-319-010		SPR-C,REEL R 2
16	M8-5ZS-190-000		ABL-30
17	85-ZM1-601-010		SOL,MD S
18	84-ZM1-602-010		CHIP,SOL
19	84-ZM1-219-11K		LINK PL
20	84-ZM1-262-010		SPR-T,LVR CAM
21	84-ZM1-204-01K		LVR ASSY,CAM
22	84-ZM1-261-010		SPR-T,LINK PL
23	84-ZM1-321-01K		FW ASSY,L 5.6
24	84-ZM1-231-31K		SLIP ASSY
25	84-ZM1-325-11K		FW ASSY,R 5.6
26	85-ZM1-212-010		PULLY PM 2
27	84-ZM1-208-01K		LVR ASSY HEAD
28	84-ZM1-383-019		THRUST PLATE(B)
29	84-ZM1-218-110		BELT
30	84-ZM1-226-01K		GEAR CAM C
31	84-ZM1-263-110		SPR-C,GEAR CONECT
32	84-ZM1-225-11K		GEAR FR
33	84-ZM1-271-010		SH AUTO
34	85-ZM1-211-01K		GEAR IDLE B2
35	84-ZM1-221-31K		GEAR CAM
36	84-ZM1-223-31K		GEAR LINK B
37	84-ZM1-222-11K		GEAR LINK A
38	84-ZM1-217-21K		L,FR LOCK
39	85-ZM1-302-010		SPR-P,MOT(S)
40	84-ZM1-210-11K		LVR ASSY,T-UP
41	85-ZM1-210-01K		GEAR IDLE A2
42	84-ZM1-228-11K		GEAR REEL R
43	84-ZM1-355-010		SPR-T,PLAY SW2
A	87-067-569-019		PW,0.83-2.5-0.25SLT
B	87-078-099-019		S-SCRW,V+1.4-6(3)
C	87-067-384-019		VT+1.4-3.5(HL)
D	87-067-367-019		PW,0.95-2.6-0.25C
E	87-067-860-019		PW,3-0.95-0.4
F	87-078-018-019		PW,1.55-3.5-0.25 C60
G	87-078-071-119		SW,1.2-3-0.25
H	87-078-101-019		RW,1.21-2.4-0.25
I	87-078-065-019		SH,0.9-2.25-0.25
J	87-067-693-019		PW,3-0.8-0.25 SLT
K	87-078-087-019		PW,1-3-0.4 C60

SPRING APPLICATION POSITION





ACCESSORIES/PACKAGE LIST

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO	PART NO.	カンリ NO.	DESCRIPTION
1	85-HK4-905-019		IB,EX-EGFSIC
2	87-042-175-019		AC-207 HJA<[ST] 557AH>
2	87-042-176-019		AC-207E2(C)<EXCEPT[ST] 557AH,AK>
2	87-042-177-019		AC-207K(C)<[ST] 557AK>
3	82-HK3-951-010		CARRYING CASE<EX200M2,LX200M2>
4	87-048-297-019		HP-R402 NA<[G]LX200M2>
4	87-048-298-019		HP-R402 NA<[R]LX200M2>
4	87-048-290-019		HP-R402NA<EXCEPT LX200M2>
5	87-047-155-010		PB-S5(A)Y
6	09-028-139-010		BATT BOX ASSY<[B]EX200M2>
6	09-028-169-010		BATT BOX ASSY<[R]LX200M2>
6	09-028-217-010		BATT BOX ASSY<[G]LX200M2>
6	09-028-156-010		BATT BOX ASSY<EXCEPT[B]EX200M2, [R]LX200M2,[G]LX200M2>